

IMIDAN 70 WP ACUTE TOXICITY EVALUATIONINTRODUCTION

The purpose of this experiment is to determine the acute toxicity of Imidan 70 WP. In order to better understand the potential hazard associated with this insecticide, safety evaluations are performed to determine the acute oral toxicities.

MATERIALS

T-5547, Imidan 70 WP (4117-4) was used throughout these studies. The sample was supplied by the Formulations Section at the request of R. P. Clement on August 4, 1975.

A use dilution of 1.5 pounds Imidan 70 WP per 5 gallons of water was used as the test solution in all tests.

All animals used for these studies were albino rats purchased locally from Horton Laboratories, Los Gatos, CA.

METHODS

Test methods used for the evaluation of Imidan 70 WP are given in Appendix I, Section A. In all tests, the animals used were closely observed for one week prior to dosing in order to ascertain their physical well-being. In addition, all animals were observed a minimum of twice daily during the testing periods. Autopsies were performed on all animals that died during the study, and on all survivors of the highest dose levels that had less than 100% mortality.

RESULTS AND DISCUSSION

Oral Toxicity

The acute single dose oral LD₅₀ for male Sprague-Dawley albino rats was determined to be greater than 1500 mg/kg. Animals dosed at 1500 mg/kg or less showed no discernable effects during the testing period.

The acute single dose oral toxicity for female albino rats was determined to be greater than 1500 mg/kg. No visible signs of toxicity were noted at 1500 mg/kg.

Data Summaries

Individual observations, symptoms, and pertinent information pertaining to each section described above are given in Appendix II Section A.

SUMMARY

Since the acute oral toxicity of Imidan 70 WP at its use dilution is greater than the value given by the EPA Classification and Reregistration Guidelines, it is concluded that this material may be classified for general use, based on the acute toxicology.

Submitted by

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IMIDAN 70 WP

ORAL TOXICITY RESULTS

T-5547

	<u>Dose Level</u> (mg/kg)	<u>Percent</u> <u>Mortality</u>	<u>Symptoms</u>
Female	1500	0%	none
Male	1500	0%	none

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ORAL TOXICITY

NECROPSY FINDINGS

T-5547

There were no apparent abnormalities observed when the animals were necropsied.